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PN -  US6122015 A 20000919 [US6122015]
TI - (A) Method and apparatus for filtering digital television signals
PA - (A) GEN ELECTRIC (US)
PA0 - General Electric Company, Schenectady NY [US]
IN - (A) AL-DHAHIR NAOFAL MOHAMMED WASS (US); HERSHEY JOHN ERIK (US); VAN STRALEN NICK ANDREW (US); FREY RICHARD LOUIS (US); GRABB MARK LEWIS (US)
AP - US20640998 19981207 [1998US-0206409]
PR - US20640998 19981207 [1998US-0206409]
IC - (A) H04N-005/213
EC - H04N-005/21A
PCL - ORIGINAL (O) : 348614000; CROSS-REFERENCE (X) : 348607000 348608000 348914000
DT - Basic
CT - US5119196; US5559723
 "HDTV Research in Japan," IEEE Micro, Oct. 1993, pp. 49-53.

"Design and Selection of a Ghost Cancelling Reference Signal for Television Systems in North America," Proceedings of Canadian Conference on Electrical and Computer Engineering, Vancouver, BC, Canada, 14-17 Sep. 1993, pp. 660-663.


"Training Signal and Receiver Design for Multi-Path Channel Characterization for TV Broadcasting," D. -D Wang, T. -H.S. Chao, BR Saltzberg, IEEE Transactions on Consumer Electronics, vol. 36, No. 4, Nov. 1990, pp. 794-806.

"Fast Computation of Channel-Estimate Based Equalizers in Packet Data Transmission," N. Al-Dhahir, J. Cioffi, IEEE Transactions on Signal Processing, vol. 43, No. 11, Nov. 1995, pp. 2462-2473.

STG - (A) United States patent
AB - A system for filtering digital television signals is provided. The system comprises a generator for providing a first data sequence to a private data packetizer, and a transmitter for transmitting the packetized first data sequence in a data channel of a digital television signal. The system further includes a receiver for receiving the digital television signal and recovering the first data sequence. The receiver includes a channel estimator for providing an estimate of channel characteristics, such as estimated channel impulse estimate and estimated noise variance. The receiver further includes an adaptive equalizer filter having an input for receiving the digital television signal and an input for receiving adaptive filter coefficients. The receiver further includes a coefficient processor for calculating adaptive filter coefficients based on the channel estimate, and providing the adaptive filter coefficients to the adaptive equalizer filter. The digital television signal is thus filtered to remove undesired channel effects.

UP - 2000-35

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PN -  US6122015 A 20000919 [US6122015]

AP - US20640998 19981207 [1998US-0206409]


ACT - 20040601 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20031205

20041101 US/PRDP-A [+]
PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE
MAINTENANCE FEE
EFFECTIVE DATE: 20041102

20041116 US/FP-A [-]
EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
EFFECTIVE DATE: 20040919

UP - 2004-50

1 / 1 CRXX - ©CLAIMS/RRX

PN -  6,122,015 A 20000919 [US6122015]

PA - General Electric Co

ACT - 20020919 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20030311
REISSUE REQUEST NUMBER: 10/247455
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20031205 REISSUE REQUESTED
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REISSUE REQUEST NUMBER: 10/728934
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20041116 EXPIRED (20040919)

Search statement 5

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6122015

September 19, 2000

Method and apparatus for filtering digital television
signals

LEXIS-NEXIS
Library: PATENTS
File: ALL

REISSUE: September 19, 2002 - Reissue Application filed Ex. Gp.: 2614; Re. S.N.
10/247,455 (O.G. March 11, 2003)
December 5, 2003 - Reissue Application filed Ex. Gp.: 2614; Re. S.N. 10/728,934
(O.G. June 1, 2004)

APPL-NO: 206409 (09)

FILED-DATE: December 7, 1998

GRANTED-DATE: September 19, 2000

CORE TERMS: channel, sequence, digital, television, filter, coefficient,
equalizer, stream, multipath, estimate ...

6,122,015 OR 6122015

LEXIS-NEXIS
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